

Kitagawa, Mutsuo, Hayashi, Katsumi, and Kodama,
Teruo.

STUDIES ON ACTIVE CARBONS ACTIVATED BY
ZINC CHLORIDE. [1961] [16]p.
Order from SLA \$1.60

61-18694

Trans. of Kagaku to Kogyo, Osaka (Japan) 1960, v. 34,
p. 428-[443].

DESCRIPTORS: *Activated carbon, Carbon, *Zinc com-
pounds, *Chlorides, Chemical reactions, Density, Po-
rosity, Adsorption.

The zinc chloride activated carbons and the sulfur contain-
ing carbons were measured for their specific gravity by
the immersion technique, using water, and their porosity
was calculated from the amount of water vapor adsorbed
at saturation, and the relationship between the bulk den-

61-18694

I. Kitagawa, M.
II. Hayashi, K.
III. Kodama, T.

184267

Study on Increasing Vitamin B₂ in Flavin Yeast,
Report No 2. Simple Method of Making Flavin Yeast,
by H. Inoue, K. Inoue, S. Kitagawa, 7 pp.

Full translation.

JAPANESE, per, Ministry of Education, Scientific
Testing Studies. Report of the Committee for the
Study of Enriched Foods (Reports for the Year 1951),
May 1951, pp 22-25.

28,201

NIH Tr 618

Scientific - Chemistry

Oct 55
OTS/DEX

Study on Feeding Standard of the National Safety
Force. Report No 1. Calory Consumption and Calory
Intake of Personnel of the Makomanai Unit at Sapporo,
by B. Hattori, S. Suzuki, S. Magamine, S. Kitagawa,
21 pp.

JAPANESE, per, Honan Kisei, Vol I, No 1, March 1954,
pp 15-22.

WIK TA 722

Scientific - Chemistry

28,162

NOV
Oct 55
OHS/DSK

**Rapid Method of Detecting Minute Quantities of
Chloride Dioxide by Means of Detector Tubes,
by T. Kitagawa, Y. Kobayashi.**

**JAPANESE, per, Nippon Kagaku Zasshi, Vol. LVII, No 3
pp 177-179, Mar 1975.**

ASLIB-GB39

**Sci - Chem
Aug 58**

70,350

Effect of Pressure in the First Stage of Pressing
Cycle on Properties of Hardened Chip Board, by
Kakuichi Kitahara.

JAPANESE, per unknown.

USDA

North Carolina State College Tr 31

Sci - Physics

May 58

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Effects of Chip Dimensions on the Properties
of Chipboard, by K. Kitahara, K. Kasagi.
JAPANESE, per, Mokuzai Gogyo, Vol 10, No 8,
1955, pp 406-412.
NTC-69-13259-11L

K Kitahara

Sci-Hat
Sept 69

392,772

Catalytic Oxidation of Petroleum Hydrocarbons
in the Vapor Phase. I. Manufacture of Maleic
Acid by the Oxidation of the Butene-Butylene
Fraction, by M. Kikahara.

JAPANESE, per, Rikagaku Kenkyujo Hokoku,
Vol XXXIV, 1958, pp 283-288.

Sci - Chem

Feb 61

Cat
the
by

JAN
195

Sci

Feb

ALC-TJ-2405
KIS 00000

138,271

Kitahara, M., Mitsui, T., and Hirayama, T.
OXIDATION BY HYDROGEN PEROXIDE AND SELE-
NIUM DIOXIDE. Pt. 1 of Synthesis of α , β -Unsaturated
Acids and their Esters by the Oxidation of α , β -Unsat-
urated Aldehydes. [1962] 14p.
Order from ATS \$18.50 ATS-78P64]

Trans. of Rikagaku Kenkyujo Hokoku (Japan) 1962,
v. 38, no. 1, p. 81-89.

DESCRIPTORS: *Organic acids, *Esters, Synthesis,
*Aldehydes, *Hydrogen compounds, *Peroxides,
*Selenium compounds, *Dioxides, Oxidation.

(Chemistry--Organic, TT, v. 9, no. 2)

63-12261

- I. Kitahara, M.
- II. Mitsui, T.
- III. Hirayama, T.
- IV. ATS-78P64]
- V. Title: Synthesis ...
- VI. Associated Technical
Services, Inc., East
Orange, N. J.

0221556

Office of Technical Services

Catalytic
Oxidation of Petroleum Hydrocarbons in the
Vapor Phase. II. Manufacture of Maleic Acid by
the Oxidation of C_8 Hydrocarbon, by N. Kitahara.
JAPANESE
JAPANESE, per, Rikagaku Kenkyujo Hokoku, Vol XXIV, 1955
No. 2, pp 289-293.

ATS 8140J

ATS-JJ-2406

138,273

- Chem

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Ether Extraction of Iodides of Hydriodic Acid
Solutions of Various Elements, by S. Kitahara, 5 pp.

JAPANESE, per, Kagaku Kenkyusho Hokoku, Vol XXIV,
1948, pp 454-457.

AEC UCRL-~~Trans~~-559(L)

Sci - Chem
10 Nov 60
List 45

131, 401

Preparation of Electrodes of PbO_2 and Their Applications,
by S. Kitahara, T. Ogasu.

JAPANESE, per, J. Electrochem Assoc Japan, Vol X, pp
409-413, 1942.

Inedoc-71643

Sci - Chem
Aug 58

70,602

Kitahara, Saburo, Asahara, Hiromasa, and
Atoda, Tetsuzo.
METHOD FOR QUANTITATIVE ANALYSIS OF FREE
CARBON IN BORON CARBIDE. Rept. no. 1 on Quanti-
tative Analysis of Impurities in Boron Carbide.
1 June 60, 10p. 3 refs.
Order from SLA \$1.10

61-18575

Trans. of mono. [paper] presented at Science Research
Institute Meeting (no. 53) Oct 57.

DESCRIPTORS: *Carbon, Chemical analysis, Oxi-
dation, Decomposition, *Boron compounds, *Carbides,
Carbon dioxide, Production, Quantitative analysis,
Impurities.

The analysis for total carbon content can be obtained
by treating a 10- to 25-mg sample in an oxidation bath
containing 0.5 g of KIO_3 and 5 ml of concentrated
(Chemistry--Analytical, TT, v. 7, no. 7) (over)

61-18575

- I. Kitahara, S.
- II. Asahara, H.
- III. Atoda, T.
- IV. Title: Quantitative ...

Office of Technical Services

Kirahara, Saburo, Asahara, Hiromasa, and
Atsuta, Tetsuzo.
METHOD FOR QUANTITATIVE ANALYSIS OF FREE
CARBON IN BORON CARBIDE. Rept. no. 1 on Quanti-
tative Analysis of Impurities in Boron Carbide.
1 June 60, 10p. 3 refs.
Order from SLA \$1.10

61-18575

Trans. of mono. [paper] presented at Science Research
Institute Meeting (no. 53) Oct 57.

DESCRIPTORS. *Carbon, Chemical analysis, Oxi-
dation, Decomposition, *Boron compounds, *Carbides,
Carbon dioxide, Production, Quantitative analysis,
Impurities.

The analysis for total carbon content can be obtained
by treating a 20- to 45-mg sample in an oxidation bath
containing 0.5 g of KIO_3 and 5 ml of concentrated
(Chemistry--Analytical, TT, v. 7, no. 7) (over)

61-18575

I. Kirahara, S.
II. Asahara, H.
III. Atsuta, T.
IV. Title: Quantitative ...

197171

Office of Technical Services

On Ether-Extraction of Fluorides or Hydrofluoric
Acid Solutions of Various Elements, by Saburo
Kitahara, 6 pp.

JAPANESE, per, Kagaku Enkyuho Shokun, Vol XIV,
No 4, 5, 1970, pp 165-167.

AND UCL-Trans-609(L)

Sci - Chem
May 61

150,883

92

A Method of Surface Treatment of Vulcanized
Rubber, by T. Kitahara, T. Nagata.
JAPANESE Patent Publication 502 44-2 761.
JPO 69-15774-113

T. Kitahara

Sci-Materials
Feb 70

402,879

Kitaigorodakii, A. I., Tavankin, D. Ya., and
Petrov, Yu. M.
LONG PERIODS IN ENANT FIBERS. [1962] 2p.
Order from ATS \$2.50 ATS-16P59R

•Trans. of Vysokomolekulyarnye Soedineniya (USSR)
1961, v. 3, no. 9, p. 1428.

DESCRIPTORS: *Synthetic fibers, *Amines,
*Enanthic acid, Polymers, Preparation, Condensation
reactions.

(Materials--Textiles, T F, v. 8, no. 10)

62-17157

- I. Title: Enanth fibers
- I. Kitaigorodakii, A. I.
- II. Tavankin, D. Ya.
- III. Petrov, Yu. M.
- IV. ATS-16P59R
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

C226299

Office of Technical Services

Problems of Increasing the Strength and
the Thermal Stability of Glass, 37 p.
by I. I. Kitagorodskiy, S. I. Silvestrovich.
MOSKVA, for, ~~XXXXXXXXXX~~
Obshchestvo Znanii, Vol 6, 1966, pp 635-641.
MA 11-66-18001.

I. I. Kitagorodskiy

Sci-MMR
Jul 66

306,011

On the Analysis of Spectra of Wind-Generated Wave Motion
Иль С. А. Китаigorodskii, С. Б. Strekalov, Тип

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 8,
1963, pp 1240-1250.

ACU

Sci
Jan 64

245,912

Applications ~~for~~ of the Theory of Similarity to the
Analysis of Wind-Generated Wave Motion as a Stochastic
Process, by S. A. Kitaigorodski, 9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 1,
1962, pp 105-117.

Amer Geophys Union

Sci

Oct 62

214,017

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The Topological (Dynamical) Analysis of Molecular
Crystals, by A. I. Kitaigorodskii.
RUSSIAN, per, Zh. Fiz. Khim., Vol 19, No 10/11,
1945, pp 523-531.
NLI 3428.47 (11625)

A. I. Kitaigorodskii
Sci - Chem
Sept. 67

340,368

(M-5920)

Calculation of the National Economy of Yugoslavia
in Constant Prices Over the Period 1947-1959,
by B. Kitaljevic, 31 pp.

SERBO-CROATIAN, per, Finansije, Vol XV, No 11/12,
1960, pp 609-629.

JPRS 9248

EUR - Yugoslavia

Inon

153, 784

Jun 61

Effect of the Administration of Vitamin B₁ and Vitamin B₂ on the growth of the Fetus, by R. Takada, M. Hishio, M. Kitamura, 3 pp.

Full translation.

JAPANESE, per, Ministry of Education, Scientific Testing Studies. Report of the Committee for the Study of Enriched Foods (Reports for the Year 1951), May 1951, p 20.

28,206

NIE Tr 623

Scientific - Chemistry

Oct 55
OTS/DEX

Effect of Enrichment With Vitamin A and D on the Health
of School Children, by R. Takada, M. Nishio, M. Kita-
mura, 2 pp.

Full translation.

JAPANESE, per, Ministry of Education, Scientific
Testing Studies. Report of the Committee for the
Study of Enriched Foods (Reports for the Year 1951),
May 1951, pp 20-21.

28,205
Scientific - Chemistry

NH Tr 622

SLA 2011

Oct 55

OTS/DMX

Mathematical Development of Mould Loft with
Digital Computer, by M. Kitamura.
JAPANESE, per, Technical Review, Mitsubishi
Heavy Industries, Vol. 3, No. 2, 1962,
pp 230
CM/17/1605

M. KITAMURA

Sci -
Aug 67

335-T05

NCH-201 337

Field 133, 98

Kikamuro, M.; Takaku, A.
MATHEMATICAL MOULD LOFTING BY ELECTRONIC
COMPUTER. Rept. no. 2. 1964, 19p. 2 refs. BSRA-2964.
Order from BSRA: LS as BSRA-2964

Trans. of Zosen Kyokai Rombun Shu (Japan) 1115 p61807
1964.

Presented to the Spring Conference of the Society for Naval
Architecture of Japan, May 1964.

I. British Ship Research
Association, London
(England)

304015
304015

Color Reactions For Barbiturates. Report I and II,
by K. Okazaki, H. Kikawa, H. Hamada.

Full translation.

~~Japanese~~ per, Journal of the Pharmaceutical Society of
Japan, Vol LXXI, No 9, 1951, pp 669-674.

AND Tr 1484

Ref Sci Info Div, DRG, Canada T26 J, CIA D 154213
Scientific - Medicine, drugs, barbiturates

Jan 53 OHS/DEX

A-3907

Report No 5. Quantitative Estimation of Mercury.
Summary of Reports on the Study of Minamata Disease,
by S. Kitamura, 2 pp.

JAPANESE, rpt, 20 Aug 1959, p 9.

NIH 11-39

Sel - Medicine
Dec 59

67-5 59-99-02

Regarding the Influence of Ultraviolet Irradiation
Upon Antigen. (Horse Serum, Eggwhite)., by S.
Kitamura, M. Murayama, 5 pp.

CHUWAJ, per, Klin Wochschr, Vol XVI, 1937, pp 88-90.

S.L.A. Tr 57-397

Sci - Biology
Jun 57/CTB

49,005

Kitamura, Saburo, Kubo, Takao and others.
SINTERED CADMIUM SULPHIDE PHOTOCONDUCT-
ING FILMS. [1961][12]p.
Order from SLA \$1.60

62-10987

Trans. of Oyo Butsuri (Japan) 1960, v. 29, no. 9,
p. 636-641.

DESCRIPTORS: *Cadmium compounds, *Sulfides,
*Photoconductive films, Preparation, *Sintering,
Photosensitivity, Solid state physics.

The production method and the characteristics of
photoconductive sintered CdS film are described. As
sintered CdS film can be fabricated into desired
shapes and a comparatively strong photocurrent can
be gained from it, it is expected to be employed in
many ways as a photosensitive element in various
photoelectric relays or photoelectric meters. (Author)
(Physics--Solid State, TT, v. 8, no. 1)

62-10987

I. Kitamura, S.
II. Kubo, T.

NLL M 8962

Office of Technical Services

~~Kitamura, T.~~

PHARMACOLOGICAL STUDIES ON COMPOUNDS RELATED TO NICOTINE, ESPECIALLY ON NORNICOTINE. [1962] 35p.

Order from K-H \$43.75

K-H 9054-c

Trans. of Nihon Yakurigaku Zasshi (Japan) 1958, v. 54, p. 825-837.

DESCRIPTORS *Tobacco, Pharmacology, Alkaloids, *Nicotine.

(Biological Sciences - Pharmacology, 171, v. 2, no. 2)

62-22495

- I. Kitamura, T.
- II. K-H-9054-c
- III. Krege-Hooker Science Library Associates, Detroit, Mich.

0224203

Office of Technical Services

Effect of Vacuum Casting on the Quality of Steels
for Rolling, Part I, by Y. Kitamura, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII,
No 11, 1962, pp 1338-1340.

HB 5807

Sci-Min/Met
Jan 63

219.967

Ladle Degassing of Unkilled Steel, by Y. Kitamura, et al.

JAPANESE, per, Tetsu To Hagane, Vol XLIX, NO 3, 1963,
pp 463-465.

HB 6046

Mat & Met
Oct 63

240,382

Comments on Ingot Molds Cast Directly From
Blast-Furnace Hot Metal Compared with Cupola Iron,
by Y. Kitamura et al.

JAPANESE, per, Tetsu To Hagane, Vol XLIX, 1963,
No 3, pp 525-526.

XB 6047

Met 867
Oct 63

345,160

AEC-tr-4482(p.654-65) Uncl.

TOH-SHIBA HOT LABORATORY. R. Kitani and
M. Terada.

C-23 P NSA

*Second Japan Conference on
Radioisotopes, Feb 1958*

N-4

Kitano, Takeo and others.
METHOD FOR THE MANUFACTURE OF OXI
PHOSPHORUS CHLORIDE. [1961] 4p.
Order from AC \$4.00

Trans. of [published] Japanese patent 4351(50), by
Toyama Kagaku Kogyo Kabushiki Kaisha.

DESCRIPTORS: *Oxygen, *Phosphorus compounds,
*Chlorides, Manufacturing methods, Economics.

The invention relates to a method for the manufacture
of oxl phosphorus chloride, comprising the ignition
and reaction of the mixture of phosphorus trichloride
or a substance capable of forming phosphorus tri-
chloride or containing it and oxygen or the air in a
gaseous state at the ratio of 2 mols of phosphorus
trichloride to one mol of oxygen. The purpose of the
invention lies in manufacturing at a high yield and
(Engineering--Chemical, TT, v. 7, no. 3) (over)

62-12034

- I. Kitano, T.
- II. Patent (Japan)
pub. 25-4351
- III. Capelo, A.,
Hollywood, Calif.

1444
Office of Technical Services

A New Turbidimetric Determination of Traces of
Chloride, by Y. Kitano, H. Tsubota.

JAPANESE, per, Nihon Kagaku Zasshi, Vol LXXV,
1954, pp 931-933.

ILL M. 4040

Sci - Chem

Apr 62

191,909

(2053/-M/c)

For Kider Application of Planned Payments Among
Enterprises, by Stoyan Kitanov, 9 pp.

BULGARIAN, *Novi, Finansni i Kredit*, No 7, Sofia,
1990, pp 30-38.

US JPRS 1223-N

Novi - Bulgaria
Econ
Feb 99

81,808

On the Synthesis of Arylvinylsulphonates and Their
Reactive Properties, by Teijiro Kitao, Nobuhiko Kuroki,
Kenzo Konishi, 16 p.

JAPANESE, per, Kenzo Konishi, 1999, Vol LXII,
No 6, pp 825-828.

SLA 60-10444

Sci
Apr 60
Vol III, No 3

112,085

Alcald

Kagita and Fujita

SYNTHÈSE DES DÉRIVÉS DE L'ALCOOL TERPENIQUE DE LA SÉRIE ALIPHATIQUE RAP. I. SYNTHÈSE DU DIPHÉNO-ALLO-OCIMENOL-2, 6 DIMÉTHYLE-OCTÈNE 3 OL 2 - À PARTIR DE 1' 2 -PÉNONE (Synthesis of Terpene Alcohols. I. Dihydro-Allo-Ocimene (2, 6-Dimethyl-octen-3-ol-2) from α -Pinenol). Mp 5 mls

Order from OTS, NTC or COTS \$9.00 62-24916

Trans. J. Pharm. of Nihon Kagaku Zasshi (Japan) 1963, v. 74, no. 2, p. 74-78.

DESCRIPTION: Aliphatic compounds, Alcohols, Terpenes, Esters.

(Chemistry--Organic, TT, v. 10, no. 10)

62-24916

1. Title: 2, 6-Dimethyl-octen-3-ol-2

2. Title: Pinenol

3. Title: Pinenol

4. Title: Pinenol

5. Centre National de la Recherche Scientifique

IV. Title: Synthesis...

V. Title: Dihydro...

Office of Technical Services

NY-6631

REPORT OF THE COMMERCIAL STRUCTURE AND CHANGES
IN THE STATUS OF CAPITALISTS IN COMMUNIST
CHINA, BY KITAHARA TOSUJI, 13 PP.

JAPANESE, PER, ASIA KENKU, NO 274,
27 JUN 1961, PP 2-10, NO 275, 4 JUL 1961,
PP 2-9.

JPRS 10185

ASIA - CHINA

ECON NOV 61

173. 119

The Influence of Kohn (a photosensitive dye) on Tumor
Growths, by Kitasu Sugae, Ichiro Ohamura and Koenuke
Ushijima, 2 pp.

JAPANESE, Gann, Vol XXXIX, No 1, Japan, 1948, p 45.

CIA/RD X-663

Scientific - Medicine

National Institute of Health, Bethesda, Md.

A-6175

The Flow of Gas in the Cyclone EX by Yoshiyuki Kitaura

EX JAPANESE, Chem, Engng, 15 (5), 806-811.

EXA3/EXB 2r No 3 3970

Scientific - EX Chemistry, Engineering

A-5 388

Effect of Ammonia on the Catalase Activity of
Yeast and *Aspergillus niger*, by G. S. Kitavin,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIII, No 6,
1957, pp 1363-1365.

Amer Inst of Biol Sci

Sci - Biology

Aug 58

70,260

On the Two Isomers of Trimethylmelamine, by Rokuro
Mitsunaka, 18 pp. *photo*

JAPANESE, per, Nihon Kagaku Zasshi, Vol LXXIX,
No 1, 1960, pp 175-179.

SIA 60-16676

Sol

Mar 62

190,049

Vol IV, No 6

Khayama, H. and Oosawa, Y.
FOAMING ABILITY OF POLYETHYLENE COM-
FOUNDED WITH CELOGEN, A SULFONYL HYDRA-
ZINE BLOWING AGENT. Pt. 1 of Studies of Cellular
Polyethylene. [1962] 14p.
Order from ATS \$20.75

ATS-51P41J

Trans. of Nihon Gomu Kyokaiishi (Japan) 1962, v. 32,
no. 7, p. 518-527.

DESCRIPTORS: *Rubber, Foams, *Polymers, *Ethyl-
enes, Sulfonyl radicals, Hydrazines, Expanded plastics

(Chemistry--Organic, TT, v. 8, no. 7)

65-22158

- I. Title Catalog
- I. Khayama, H.
- II. Oosawa, Y.
- III. ATS-51P41J
- IV. Title Studies...
- V. Associated Technical
Services, Inc., East
Orange, N. J.

1239310

Office of Technical Services

Kirayama, H., Osawa, Y., and Masuzawa, T.
FOAMING ABILITY OF POLYETHYLENE COM-
POUNDED WITH AZODICARBONAMIDE AND DIB-
TROSOPENTAMETHYLENETETRAMINE. Pt. 2 of
Studies of Cellular Polyethylene. [1962] 14p.
Order from ATS \$15.75 ATS-52P61J

Trans. of Nihon Gomu Kyokaishi (Japan) 1959, v. 32,
no. 7, p. 527-535.

DESCRIPTORS: *Polymers, *Ethylenes, *Expanded
plastics, Carbon compounds, Amides, Azo radicals,
Cyclopentanes, Amines, Nitroso radicals, Foams,
Pentanes, Methanes.

(Chemistry--Organic, TT. v. 8, no. 3)

62-17752

- I. Kirayama, H.
- II. Osawa, Y.
- III. Masuzawa, T.
- IV. Title: Studies . . .
- V. ATS-52P61J
- VI. Associated Technical
Services, Inc., East
Orange, N. J.

ATS JT-3852

C222397

Office of Technical Services

T of C and Review of
Handbook for Personnel Concerned with Elec-
trical Installation and Wiring (V.5),
by G. I. Kitayenko (editor), 6 pp.

RUSSIAN, bk, Spravochnik Elektromontazhnika
v. 5, Leningrad, 1957, 575 pp.

B-287
Head, Lib Sv Sec
Air Info Div
Lib Congress

Man in a State of Helplessness, by
A. Kitayev-Smyk, 15 pp.
RUSSIAN, per, Novik i Zhizn, No 9,
1964, pp 16-21. 0098347
*FTD-TT-65-146

67

Kitayev-Smyk
A.

Sci - Biol & Ind Sci
Nov 65

291,820

Improving the Transportation of Mineral
Fertilizers, by A. Yevgenyev, A. Kleyev,
7 pp.
RUSMAN, par. AYENKAT' TERNOSTI, No 2,
1964, pp 2-3.
JPRS 25119

USSR
Econ
Jun 64

262, 010

Precipitation of a Unipolarly-Charged Aerosol in an
Emblosed Space, by V. F. Dunskiy, A. V. ~~Kitayev~~,
10 pp.

RUSSIAN, per, Kolloid Zhur, Vol XXII, No 2, 1960,
pp 159-167.

OB

Sci

May 61

153,309

Unipolar Electrification of Aerosols in the Field of
the Corona Discharge, by A. V. Kitayev.

RUSSIAN, per, Vest Sel'skokhoz Nauki, Vol II, No 9,
Sep 1957, pp 127-131. CIA 9016913

USDA

Sci - Electronics
Mar 58
m

60,250

**Study of the Sources of Pulsations in Hot-
Blast Pressure at the Blast-Furnace Tuyeres,
by A. A. Kukarkin, B. I. KIKIN, Kitayev.**

**RUSSIAN, per, Iz Vysok Ucheb Zaved Chern Met,
No 2, 1963, pp 31-38.**

HB 5897

Sci-M/M

Aug 63

343,504

Present State of the Theory of Heat Exchanges
in the Blast Furnace, by N. I. Kitayev,
J. G. Yarovskiy.

FRANCE, 196, Paper Present at the Journees
Internationales de Metallurgie in Luxembourg,
1-4 Oct 1962, pp 45-57.

MMI 3168

342,170

Sci - M/A,
Aug 63

Hold-Up of Molten ~~XXXXXXXXXX~~ Materials in the
Blast-Furnace Stock Column, by A. S. Kukarin,
B. I. Kitayev.

RUSSIAN, per, *iz Vysshikh Ucheb Zaved Chern Met.*
No 12, 1962, pp 20-28.

HB 5882

Sci-Engr

Nov 65

243,455

Kitaev, B. I.
SURVIVAL OF COMBUSTIBLE COMPONENTS IN THE
OXYGEN ZONE. Mar 58 [4]p. MinPower T.166;
[DSIR NLL] M 553.
Order from OTS or SLA \$1.10 62-13386

Trans. of mono. Gasification of Solid Fuel, Moscow,
1957, p. 286-290.

DESCRIPTORS: Solids, *Fuels, *Combustion, *Flames,
Turbulence, Steam, Decomposition, *Oxygen, *Carbon
compounds, *Monoxides, Survival, Blast furnaces,
Fuel consumption.

In gasification with steam-oxygen blast, considerable
amounts of carbon monoxide are present in the oxygen
zone. At temperatures in the range of 1200°, the car-
bon monoxide is not burnt up but collects at the level of
the fuel bed. Investigation of the mechanism of burning
in flames shows that a turbulent flame for a given
(Materials--Fuels, TT, v. 7, no. 12) (over)

62-13386

I. Kitaev, B. I.
II. MinPower T-166
III. DSIR LLU M.553
IV. Ministry of Power (Gr. Brit.)

Office of Technical Services

Flow Effects in the Blast-Furnace Bosh,
by B. I. Kitayev, A. S. Kukarkin.

RUSSIAN, per, In Vyschikh Ucheb Zaved,
Chern Metall, No 10, 1960, pp 40-45.

EB 9085

Sci - Engr
May 62

196, 335

Survival of Combustible Components in the Oxygen
Zone, by B. I. Kitayev. UNCL

RUSSIAN, bk, Gasification of Solid Fuels, Moscow,
1957, pp 288-290.

DAIR LLS M.953

(loan)

Sol - Fuels
Mar 60

111, 116
OTS 62-13386

Communication Installations in Railway Traffic, by
Prof B. V. Kitayev, A. Ya. Korotitsyn, ~~XXXXXXXX~~
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